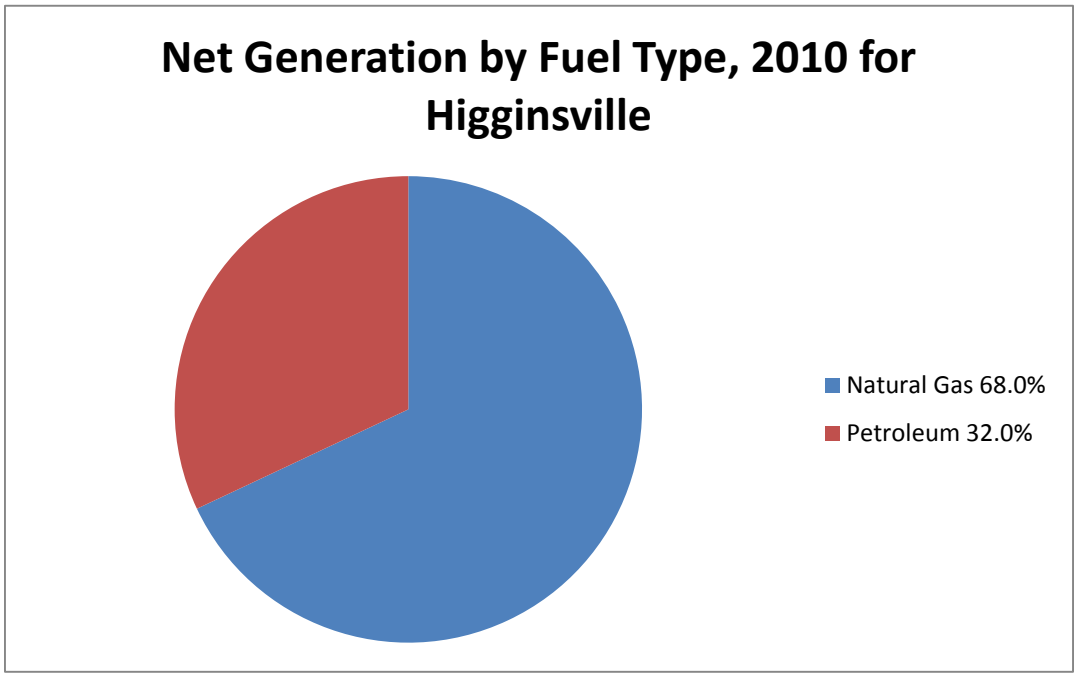
Missouri Department of Natural Resources

City of Higginsville
Power Plant Name: Higginsville
Electric Generation and Emissions in 2010

Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas	3,788	72.1%	72.1%	230	68.0%	68.0%
Petroleum	1,466	27.9%	27.9%	108	32.0%	32.0%
Nuclear						
Other						
Non-renewable total	**5,254**	**100.0%**	**100.0%**	**338**	**100.0%**	**100.0%**
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	**5,254**		**100.0%**	**338**		**100.0%**

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	3,788
Distillate Fuel Oil	Barrels	257


Net Generation by Fuel Type, 2010 for Higginsville
Natural Gas 68.0%
Petroleum 32.0%

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Power Plant Nameplate information for Higginsville

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
Higginsville		*All Operating Generators*			*206.4*
Higginsville	Lafayette	4	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	160.0
Higginsville	Lafayette	1	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	3.2
Higginsville	Lafayette	2	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	6.8
Higginsville	Lafayette	3	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	9.6
Higginsville	Lafayette	5	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	4.8
Higginsville	Lafayette	6	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	22.0

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Emissions from Electricity Generated in 2010: Higginsville

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Higginsville	3,837	1,359	36	6

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Higginsville	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Higginsville power plant

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Higginsville power plant

Plant	Control Equipment
	No FGP Controls Installed

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Notes:
Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy
http://www.eia.gov/electricity/data/eia923

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy
http://www.eia.gov/electricity/data/eia860/index.html

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,
http://www.epa.gov/climateleadership/documents/emission-factors.pdf